

ABSTRACT

The present invention relates to a temperature control device, and has an object to accurately control temperatures of microorganisms or cells when for example applied to culture and so on of the microorganisms or cells, for example. The temperature control device includes a plurality of cell parts (2) holding microorganisms or cells, a heater (1), and a cooling unit (7). The heater (1) is provided around the cell parts (2) to heat the cell parts (2). The cooling unit (7) includes a cooling fan (71), a cooling fin (72), an aluminum conduction block (73), a Peltier element (74), a radiating fin (75), and a radiating fan (76). Air (701) is supplied to the cooling fin (72) via the cooling fan (71). The air (701) is cooled in the cooling fin (72) because heat is moved from the air (701) to the cooling fin (72). Air (702) having been cooled is sent to the cell parts (2) to cool the cell parts (2). Temperatures inside the cell parts are controlled by controlling operations of the heater (1) and the cooling unit (7).